

# Fabricio Amores Monge

SOFTWARE ENGINEER ·

(+506) 8356-7666   fabri.amores89@gmail.com   GitHub   LinkedIn

## Experience

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Retail Associate, Almacenes El Rey

San Ramón, Alajuela, Costa Rica

RETAIL TEAM MEMBER RESPONSIBLE FOR MERCHANDISE ORGANIZATION, CUSTOMER SERVICE, SECTION MANAGEMENT, AND CASH HANDLING OPERATIONS, ENSURING AN EFFICIENT STORE ENVIRONMENT AND A POSITIVE CUSTOMER EXPERIENCE. 2025 - 2026

- Organized and restocked merchandise across multiple store aisles, ensuring product availability and proper visual presentation.
- Assisted customers by providing product information, resolving inquiries, and supporting purchasing decisions.
- Operated cash registers, processed transactions accurately, and provided efficient customer service at checkout.
- Managed complete store sections, overseeing inventory organization, product placement, and cleanliness standards.
- Performed daily cash counting and cash register reconciliation, ensuring accuracy and accountability in financial handling.

## Projects

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SINEM Management System

Mrtropper/Proyecto-Analisis

BACKEND DEVELOPER, DATABASE ADMINISTRATOR

Sep 2025 - Nov 2025

- Designed and implemented a full CRUD module for role management, handling creation, update, deletion, and permission control at the backend level.
- Developed a professor assignment module that enabled instructors to select courses and schedules, incorporating automated schedule allocation logic.
- Implemented a complete CRUD system for schedule management, ensuring data integrity and consistency across course assignments.
- Built a reporting system for professors, generating structured reports displaying assigned courses and schedules.
- Tech Stack: Next.js, Prisma ORM, MySQL.

Enterprise Database Management System

Mrtropper/Proyecto-DataBase

DATABASE ADMINISTRATOR, BACKEND DEVELOPER

Mar 2025 - Jun 2025

- Centralized Security Management: Implements role-based access control (RBAC) with BCrypt-encrypted authentication, managing users, roles, and granular permissions across multiple business systems through a dedicated security module.
- Integrated Business Application: Full-featured cosmetics inventory and sales management system with product catalog, customer relationship management, purchase orders, and real-time stock tracking controlled by the security layer.
- Three-Tier Enterprise Architecture: Follows industry-standard separation of concerns with Presentation (Windows Forms), Business Logic, and Data Access layers communicating with Oracle Database 21c through stored procedures.
- Dynamic Permission Enforcement: Real-time UI customization based on user permissions, controlling form access, button visibility, and CRUD operations at the window level with role inheritance and user-specific overrides.
- Comprehensive Audit Trail: Complete logging system tracking all security events (user/role/permission changes) and access patterns (login attempts, session data) for compliance and security monitoring.

## Skills

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Programming  
& Frameworks

C++, Python, Java, C#, JavaScript, TypeScript, HTML, CSS, SQL, NextJs, Prisma, React

Spoken Languages

English, Spanish

Programs

Excel, Visual Studio Code, Visual Studio 2022, Git, Trello

## Education

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Universidad de Costa Rica (UCR)

Puntarenas, Puntarenas, Costa Rica

B.S. IN COMPUTER SCIENCE

Mar 2023 - Dec 2026 (expected)